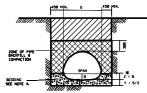
BACKFILL / BEDDING REDUIREMENTS FOR PLASTIC PIPE, METAL PIPE & PIPE ARCH CULVERTS ZONE OF PIPE BACKFILL & COMPACTION ZONE OF PIP BACKFILL & COMPACTION YIPER REDDING TYPE BEDDING -Y:PER BEDDING TYPE SEE NOTE 4.

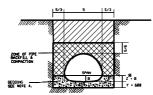
FOR TYPE I BEDDING Y:288 FOR TYPE IL BEDDING Y:388 FOR TYPE ILL BEDDING Y:588 # INCREASE THIS DIMENSION TO D IF PIPE IS PLACED IN AN EMBANKMENT WITHOUT THE DETAIL "A" FOR CIRCULATOR PIPE

HAVING DIAMETERS LESS THAN 988 mm

FOR TYPE I BEDDING Y-288 FOR TYPE II BEDDING Y-388 FOR TYPE III BEDDING Y-588 * INCREASE THIS DINENSION TO D IF PIPE IS PLACED IN AN EMBANGMENT WITHOUT THE REWELL OF TRENCHING

DETAIL "C" FOR CIRCULATOR PIPE HAVING DIAMETERS BETWEEN 988 mm AND 1888 mm INCLUSIVE





Z = DEPTH OF BEDDING AT INVERT IS TO THE WIDEST POINT ON THE PIPE ARCH CULVERT.

DETAIL 'B' FOR ARCH PIPE HAVING SPANS LESS THAN 1888 INCLUSIVE

DETAIL 'D' FOR ARCH PIPE HAVING SPANS OF 1858 AND LORGER

LEGEND:

A, ON-SITE MATERIAL EXCLUDING UNSTABLE SOIL AS DEFINED BELOW. B. CRANLLAR BACKFILL BORROW SHALL NOT BE ALL
ONE SIZE BUT HAVE INTERMEDIATE FRACTIONS FROM
NO. 75 pt 10 58 pm MAXIMUM MATERIAL.

ZONE OF PIPE BACKFILL & COMPACTION, USE ON-SITE MATERIAL CONTAINING NO ROCK LARGER THAN 50mm IN SIZE & FREE OF FROZEN LUMPS OR CLAY.

FLOWABLE FILL MAY BE USED FOR BACKFILL AND BEDDING.

GENERAL INSTALLATION NOTES:

- 1. PRECOMPACTION & COMPACTION SHALL BE IN ACCORDANCE
 WITH AASHTO 1-99 WITH DENSITY NOT LESS THAN 96 PERCENT OF LABORATORY DENSITY.
- 2. BEDDING DETAIL AS SHOWN IS FOR USE WITH UDDT's STANDARD DRAWINGS 605-1, 605-2 & 605-3
- 3. RECESS THE BEDDING TO RECEIVE CULVERT JOINTS WHERE APPLICABLE.
- 4. HAUNCH AREAS UNDER PIPE MUST BE IN FIRM AND INTIMATE CONTACT WITH THE ENTIRE BOTTOM SURFACE OF THE PIPE WITHOUT DISTURBING THE PIPE FROM SPECIFIED LINE AND GRADE.
- 5. THE WIDTH OF THE TRENCH BOX, OR OTHER SHIELD. MUST EXCEED THE REQUIRED WIDTH OF THE BACKFILL IN THE REDDING AND BACKFILL ZONES.

TABLE 1

TYPE OF BEDDING	TYPE OF SOIL FOUNDATION	TYPE OF BEDDING MATERIAL
TYPE I	OTHER THAN ROCK OR UNSTABLE SOILS	ON-SITE MATERIAL TO BE PRECOMPACTED
TYPE II	ROCK	ON - SITE MATERIAL
TYPE III	UNSTABLE	GRANULAR BACKFILL

UNSTABLE SOILS : FOUNDATION CONSISTING OF ALL ORGANIC SOILS OR MATERIALS SUCH AS PEAT, MOSS & BOG. OR FINE GRAINED SOILS (SILTS OR CLAYS) AND UNCEMENTED SANDS WHOSE WATER CONTENT EXCEEDS THEIR LIQUID LIMIT, SUCH SOILS WILL REQUIRE THAT A "TYPE III" BEDDING BE USED. DEPARTMENT D DRAVINGS FOR RO

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STD. DWG. NO. 695-4